

Friday January 18, 2019

7:30pm - UPSTAIRS

Our Saviors Lutheran Church

1035 Carol Lane Lafayette

DX Interest Group Meeting

With Dave Piersall, N6ORB 6:30pm

*** License Testing 6pm ***

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JANUARY MEETING PROGRAM

Parachute Mobile - Past, Present and Future



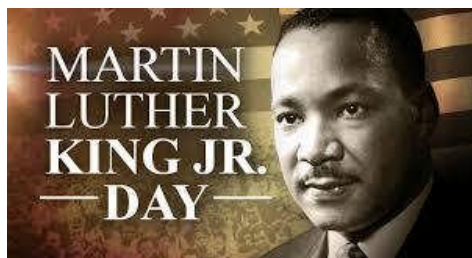
Presented by Rob Fenn, KC6TYD

So why do they jump out of a perfectly good airplane? Come and join us for an exciting and informative presentation where Rob will take you through ten years of Parachute Mobile.

Using skydiving as a platform, discover the many unique projects that the members of Parachute Mobile have incorporated into each mission.

Rob has been in the EMS field since the mid 90's. He is currently working as a paramedic with AMR in Santa Clara County. When Parachute Mobile began Rob was recruited as the Safety Officer. When the Team Coordinator position opened up Rob grabbed it and has been handling all the coordinating, scheduling, and promoting ever since. Rob was not a skydiver when he started with the team. Being around and involved in the sport got him interested and in 2011 Rob took the course and soon thereafter was making his own QSO jumps.

MEETING WILL BE UPSTAIRS IN THE SANCTUARY



WELCOME NEW MEMBERS

Chris Avery, KB0CSA

Rose Beeler, KM6MYJ

Tim Beeler, KM6MYK

Bernie Bernstein, NJ6W

Margaret Campos, KM6WXT

John Kearney [license pending]

Alla Lyubinin, KM6UXF

Michale Lyubinin, NE6C

David Peters, KK6DP

Kirsten Whittlinger, KM6RRL

If you hear any of these new members on the air, please welcome them to our club.

— *Tom Deeble, KA6SIP*



When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:

<https://smile.amazon.com/ch/23-7072059>

ALL MEMBERS ARE INVITED TO JOIN THE CLUB E-MAIL GROUP.
DOWNLOAD FILES, INCLUDING *THE CARRIER* IN **FULL COLOR** AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

<https://groups.io/g/MDARC>

(the Yahoo group will be abolished)

Mount Diablo Amateur Radio Club W6CX

P.O. Box 23222 Pleasant Hill, CA 94523

(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Larry Bradley, KK6QPE

Vice President - Ed Morales, KJ6KYT

Secretary – Larry Loomer, KI6LNB

Treasurer - Cathi Walton, K2CJW

Emergency Coordinator - Ron Bunch, W4FEK

Directors At Large

Trevor Hall, WA6JAU

Dave Piersall, N6ORB

John Primus, AF6RJ

Mike Warren, W6MEW

Membership Chair – Tom Deeble, KA6SIP
mdarcmembership@mdarc.org

PACIFICON 2019

Chair: Misa Siemons, KJ6BUE

Registration: Debbie Deeble

Treasurer: Jim Siemons, W6LK

Secretary: Cathi Walton, K2CJW

COMMITTEES

Annual Auction - Jim Siemons, W6LK

Communications Trailer - Larry Loomer, KI6LNB

Communications Van - [vacant]

Digital Media - Mike Patterson, N6JGA

Education & Training - John Primus, AF6RJ

Field Day - Larry Loomer, KI6LNB

Good & Welfare Coordinator - Diana Sage, KA6TZU

Holiday Dinner Coordinator - Misa Siemons, KJ6BUE

License Testing - Larry Loomer, KI6LNB

Outreach Coordinator - Dick Wade, WM6G

Public Service Coordinator - Klaus Berkner, K6KHB

Refreshments Coordinator: Elizabeth Styles, KG6HLV

Repeater Trustee W6CX - Jay Caldis, KT6Y

Technical Committee Chair - Jim Siemons, W6LK

Trustee W6LGW - Dick Brown, KT6X

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President's Message

January 2019



MDARC Family,

You can tell by this picture that sometimes there can be more to radio communications than just talking on the radio when volunteering for public service events. This was during the **Ridge to Bridge** event to support the Bay Area Ridge Trail in which Marin Amateur Radio Society participated. But how did I get stuck with this horse? A group of horsemen participating in this charitable event arrived at the Tennessee Valley Rest Area and one of the riders needed some minor tack repair for their horse. I just happened to be standing nearby when the person doing the repair asked me to hold the reins for his horse. In my youth I've ridden horses during my parent's high Sierra packing trips, but I am certainly not what you could call a "horse person." Fortunately this horse was mostly interested in grazing on the scattered bunch of grass and I even managed to not get my foot stepped on.

There's a lesson here, right? The lesson is that when we offer our services for radio communication, we must be willing to help in other tasks needed to assist the service organization we are supporting. Whether it's holding the reins of a horse while a repair is being made or making sandwiches for the food table, we need to think beyond of just being an amateur radio operator. Remember, we are there to serve!

Since my last President's Message some of us enjoyed a pleasant evening at the Holiday Banquet. Thanks Misa and team for making this another wonderful event.

As is our practice at the Holiday Banquet we honor the year's Ham of the Year and Kilroy Key Awards recipients. If you have not already done so, please congratulate our 2018 recipients:

Kilroy Key-Janice Fujii, KG6VTD (think Pacificon security, pies for raffle, and more)

Ham of the Year- Matthew Vurek, N4DLA (think commitment to produce professional-looking Carrier each month)

And of course, since my last President's Message we had Christmas or the holiday of your choice, but either way, it was a time for gift giving, family togetherness or other fun. So, did you get that must-have radio gear or did you have to be satisfied with that transceiver-shaped tie tack?

My family usually gives me an HRO gift certificate and these always come in handy. On my 70th birthday they gave me a \$1,000 HRO gift certificate and boy did that come in handy!

This year one of our sons gifted me a book from Audible.com called Thunderstruck by Eric Larson but there is also a printed version on Amazon.com. You might find this to be an interesting read (listen?) and as I listen to this book it gives me a better appreciation of the hurdles that G. Marconi had to overcome and the life and times in which he lived. Here is bit of the blurb on the Amazon website:

In Thunderstruck, Erik Larson tells the interwoven stories of two men—Hawley Crippen and Guglielmo Marconi, the obsessive creator of a seemingly supernatural means of communication—whose lives intersect during one of the greatest criminal cases of all time.

Set in Edwardian London and on the stormy coasts of Cornwall, Cape Cod, and Nova Scotia, Thunderstruck evokes the dynamism of those years when great shipping companies competed to build the biggest, fastest ocean liners; scientific advances dazzled the public with visions of a world transformed; and the rich outdid one another with ostentatious displays of wealth. Against this background, Marconi races against incredible odds and relentless skepticism to perfect his invention: the wireless, a prime catalyst for the emergence of the world we know today. Meanwhile, Crippen, “the kindest of men,” becomes a person of interest in a murder.

With his unparalleled narrative skills, Erik Larson guides us through a relentlessly suspenseful chase over the waters of the North Atlantic. Along the way, he tells of a sad and tragic love affair that was described on the front pages of newspapers around the world, a chief inspector who found himself strangely sympathetic to the killer and his lover, and a driven and compelling inventor who transformed the way we communicate.

(I've taken the liberty of modifying this blurb as to not give away the identity of the murderer)

Did I mention the MDARC elections in November? Check out the MDARC website for the newly installed and returning Club officers and Committee Chairs. Reach out to them with your thoughts as MDARC looks forward to a new year.

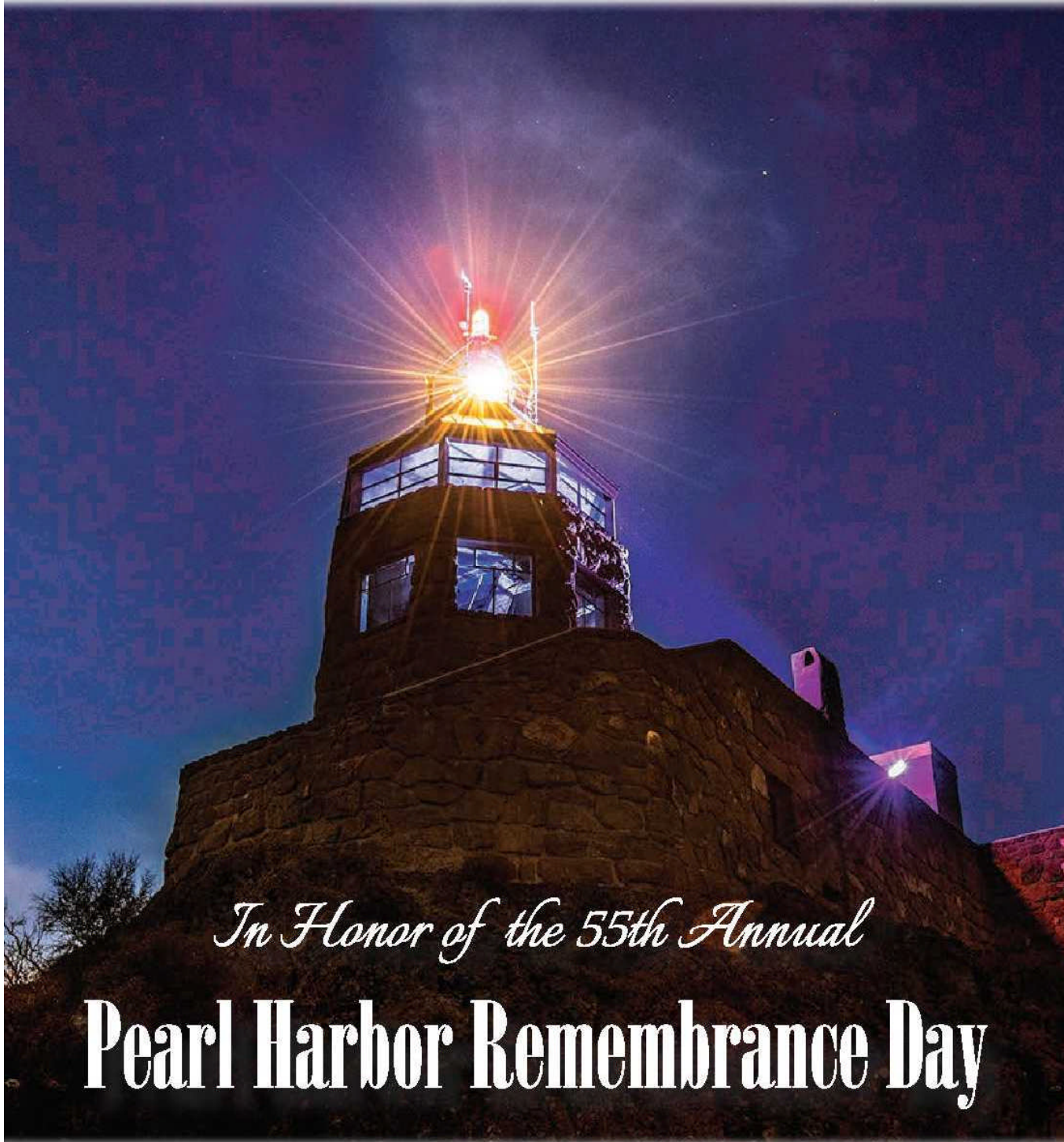
“The greatest motivational act one person can do for another is to listen.” Roy E. Moody

73 Larry Bradley KK6QPE

01/04/19

Lighting the "Eye of Diablo"

Friday, December 7, 2018



In Honor of the 55th Annual **Pearl Harbor Remembrance Day**

"When that beacon light is turned on, that's a tribute to those individuals that lost their lives at Pearl Harbor."

- Earl "Chuck" Kohler, Pearl Harbor Survivor

Cover Photo by Stephen Joseph

Public Service Report - Mount Diablo Beacon Lighting

By Larry Loomer, KI6LNB

Pearl Harbor Day 2018 was remembered at a beacon lighting ceremony held at the Cal State University, Concord Campus.

The beacon on the top of Mt. Diablo is lighted on December 7 every year in memory of the servicemen who lost their lives during the attack on the Pearl Harbor Naval Base in Hawaii.

A remembrance ceremony is held each year in the auditorium at the Cal State University, Concord Campus. Multiple dignitaries speak on subjects related to the Pearl Harbor tragedy. The highlight of this ceremony is a speech by one of the survivors, Earl “Chuck” Kohler, who is a very experienced speaker on the subject of Pearl Harbor. He has been a speaker for the past six years that hams have been supporting this event. Last year he told of what he experienced as the strafing airplanes swooped down where he was on shore. It was a very detailed and almost scary description of the event from his perspective.

After the dignitaries had spoken, the crowd moved outside to observe the lighting of the beacon. An honor guard in World War 2 uniforms came to attention and a bugler, also in a World War 2 uniform, played “Taps” to honor the fallen Navy personnel at rest at Pearl Harbor. Shortly thereafter, a Vietnam era Bell “Huey” helicopter flew over the crowd to salute those that perished during the attack. Then the “survivors”, of which there were three this year, sat at a table in front of the START button, to symbolically light the beacon.

This is where ham radio came in. As the Master of Ceremonies (MC) led the crowd in a countdown – 5, 4, 3, 2, 1, GO – the “campus” ham held his HT microphone in front of the public address speaker, and transmitted the countdown to the “summit” ham’s radio, so that the “summit” ham could turn on the beacon light.

After the “Ooohs” and “Ahhhs” from the crowd had subsided, the MC again led a countdown to begin the rotation of the beacon. As the beacon began to rotate, the flashes of the beam were seen throughout the county. A live television picture from the summit was relayed by the local television company to the campus and was viewed on a screen in front of the crowd, showing the beacon, itself, rotating at the summit of the mountain.

The MC thanked the crowd for coming and dismissed them to depart the campus.

MDARC Board of Directors **Meeting Minutes**

Date: December 3, 2018
Time: 1900 Hours (7:00 PM)

Presided over by: President, Larry Bradley, KK6QPE

Recorded by Richard Fletcher, AF9RF, Secretary

The meeting was held at the Black Bear Diner
700 Bancroft Rd.
Walnut Creek, Ca.

And was opened at 7:02 PM.

There were 13 attendees.

Mike Warren, W6MEW, Marilyn Warren, David Piersall, N6ORB, John Primus, AF6RS
Cathi Walton, K2CJW, Ron Bunch, W4FEK, Mike Patterson, N6JGA, Eric Ferguson, KA6USJ,
Janice Fujii, KG6VTD, Cal Vasquez, K6VT, Dick Wade, WM6G

The minutes from the previous Board meeting were approved.

Treasurer Cathi introduced the monthly financial report and answered questions. Some significant figures were. "MDARC Checking Account Total @ \$1,744.80", "MDARC Balance of \$39,426.23", "Equipment Self-Insurance Fund \$56,765.04" "Pacificon Balance \$53,955.08", "Total Account Balances," \$150,146.35.

Education efforts for 2019 are Technician Class in January, General Class in March and Technician Class in August.

It was announced that there is a significant number of "after club meeting programs" for 2019.

There was a motion to budget up to \$20,000 to help replace repeater equipment lost due to recent fires. The limit per dispersement will be \$1,000.

There was a motion to have MDARC sponsor The Contra Costa County Science & Engineering Fair in the amount of \$500.00 plus a special award of a certificate and a \$50.00 Gift Card.

Respectfully submitted
Richard Fletcher, AF9RF, Secretary

2019 Ham Radio Licensing Course Registration Available Now!

Mt. Diablo Amateur Radio Club

will be holding an 8 week course where you can learn everything you need to earn your 1st level Technician Class and the 2nd level General class is 9 weeks.

The Technician Class license is your entry to the world-wide excitement of Amateur Radio and Emergency Communications... and now you do **NOT need to learn Morse code!**



Technician Class Course begins on...
Thursday January 10, 2019

General Class begins March 28th, 2019

Thursday

ARRL The national association for
AMATEUR RADIO

First Class starts at 6:30 the rest are from 7-9pm

Trinity Lutheran Church, 2317 Buena Vista Ave.
Walnut Creek, CA 94597

Registration online is required. We use the current ARRL Textbooks – Text book details are part of the registration process. Follow up training and License testing will also be available.

Complete class calendar and registration link:

<http://www.mdarc.org/activities/education/Classes>

(If you are new to Ham Radio it is suggested you wait to buy your radio until after you take the TECH license class as some CHEAP radios advertised as Ham radios are out of compliance with FCC rules.)

The auto response at HamRadioClass@gmail.com will answer more class questions. Non License questions at info@mdarc.org

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

PORTLAND, OR
(800) 765-4267

DENVER, CO
(800) 444-9476

PHOENIX, AZ
(800) 559-7388

ATLANTA, GA
(800) 444-7927

WOODBIDGE, VA
(800) 444-4799

SALEM, NH
(800) 444-0047

PLANO, TX
(877) 455-8750

ONLINE STORE
WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



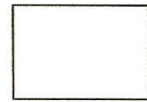
The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



FIRST CLASS

<https://www.facebook.com/mdarc.org>

W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.781- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.781- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.781- 441.325+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

FM 147.060 MHz + / PL 100Hz -

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

<https://www.broadcastify.com/listen/feed/25334>

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

Digital ATV Output 1244.500 Digital ATV Input 1292.500

Analog ATV Inputs: 1270.000 FM (PL 192.8) 915.0 AM

ATV Internet Stream: <http://w6cxatv.mdarc.org/>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

January and February 2019 Club Calendar

Friday January 18, 2019	7:30pm	MDARC General Meeting - Our Savior's Lutheran Church 1035 Carol Lane, Lafayette UPSTAIRS IN THE SANCTUARY
Saturday February 2, 2019	8:00am	MDARC Technical Committee Meeting - Ygnacio Valley Library 261 Oak Grove Road, Walnut Creek
Monday February 4, 2019	7:00pm	MDARC Board of Directors Meeting - Black Bear Diner 700 Bancroft Road, Countrywood Shopping Center, Walnut Creek
Friday February 15, 2019	7:30pm	MDARC General Meeting - Our Savior's Lutheran Church 1035 Carol Lane, Lafayette